

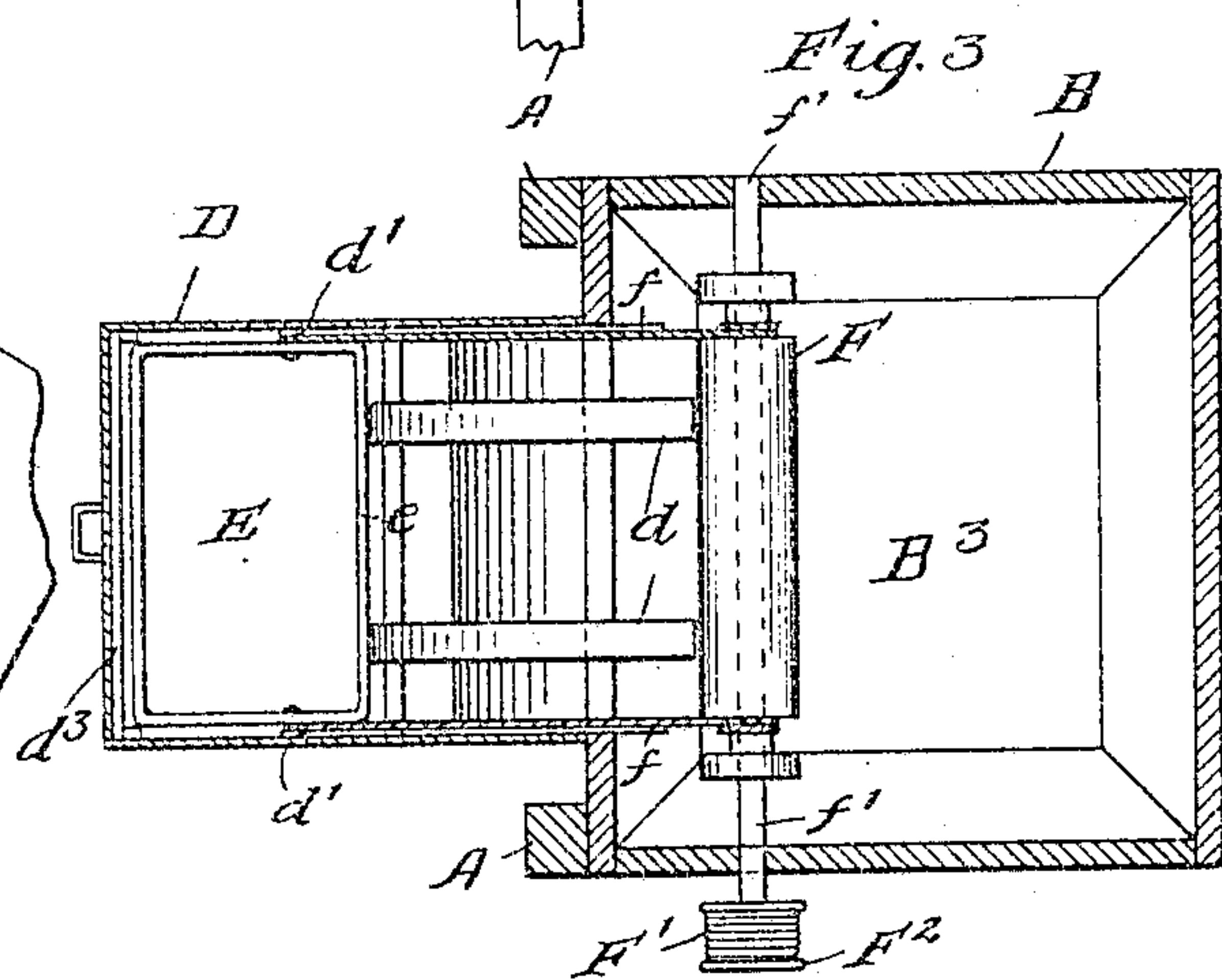
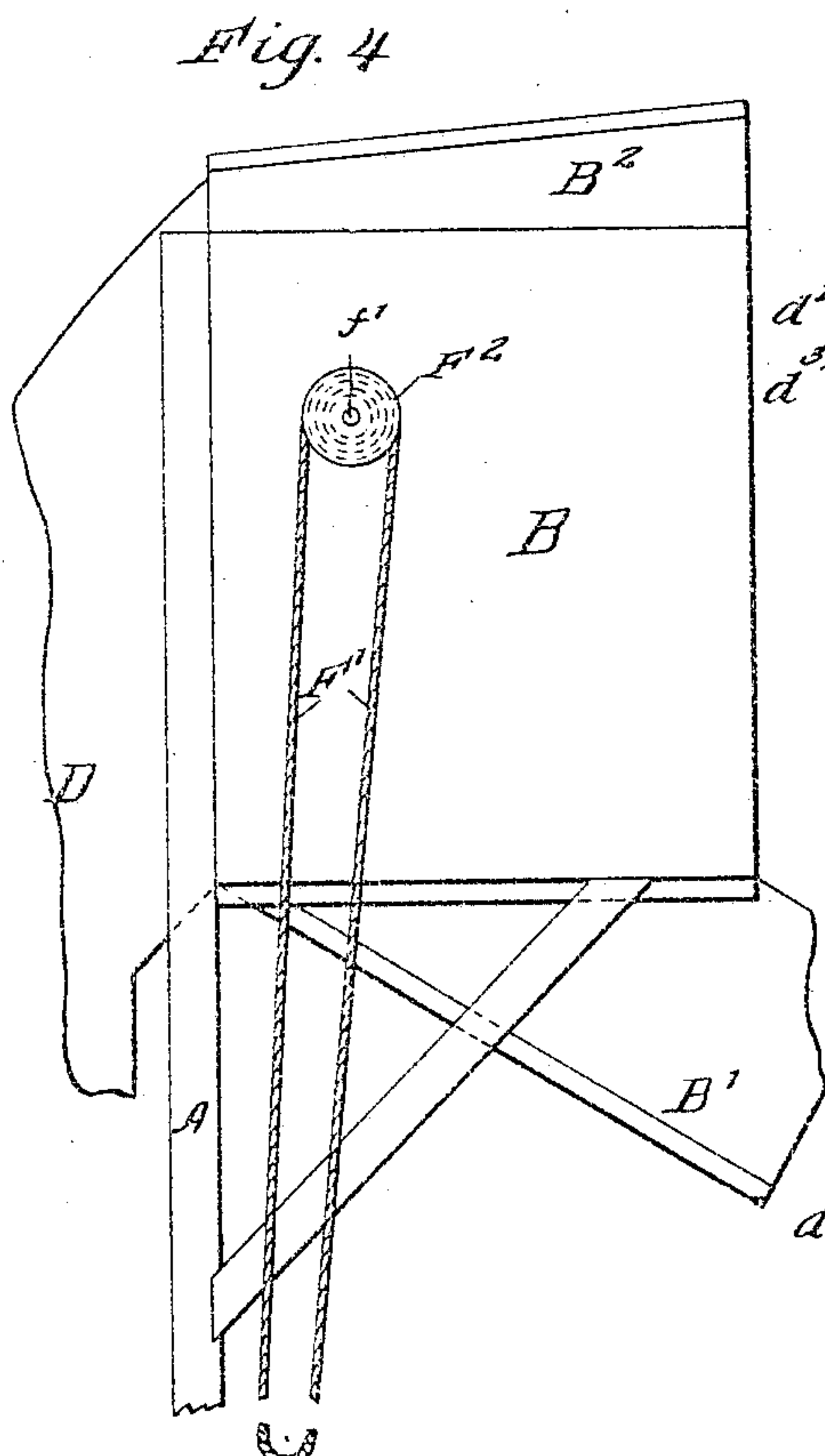
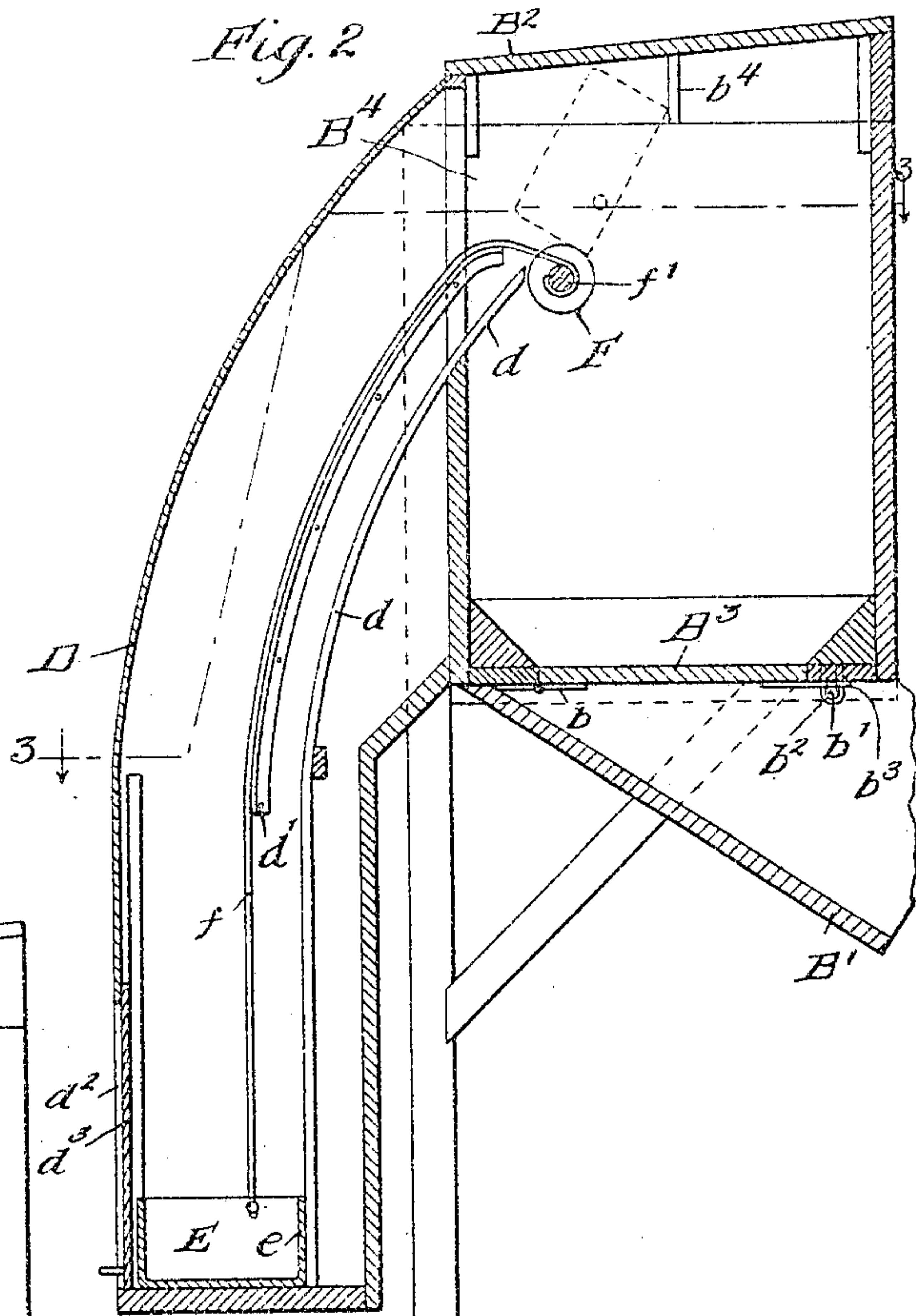
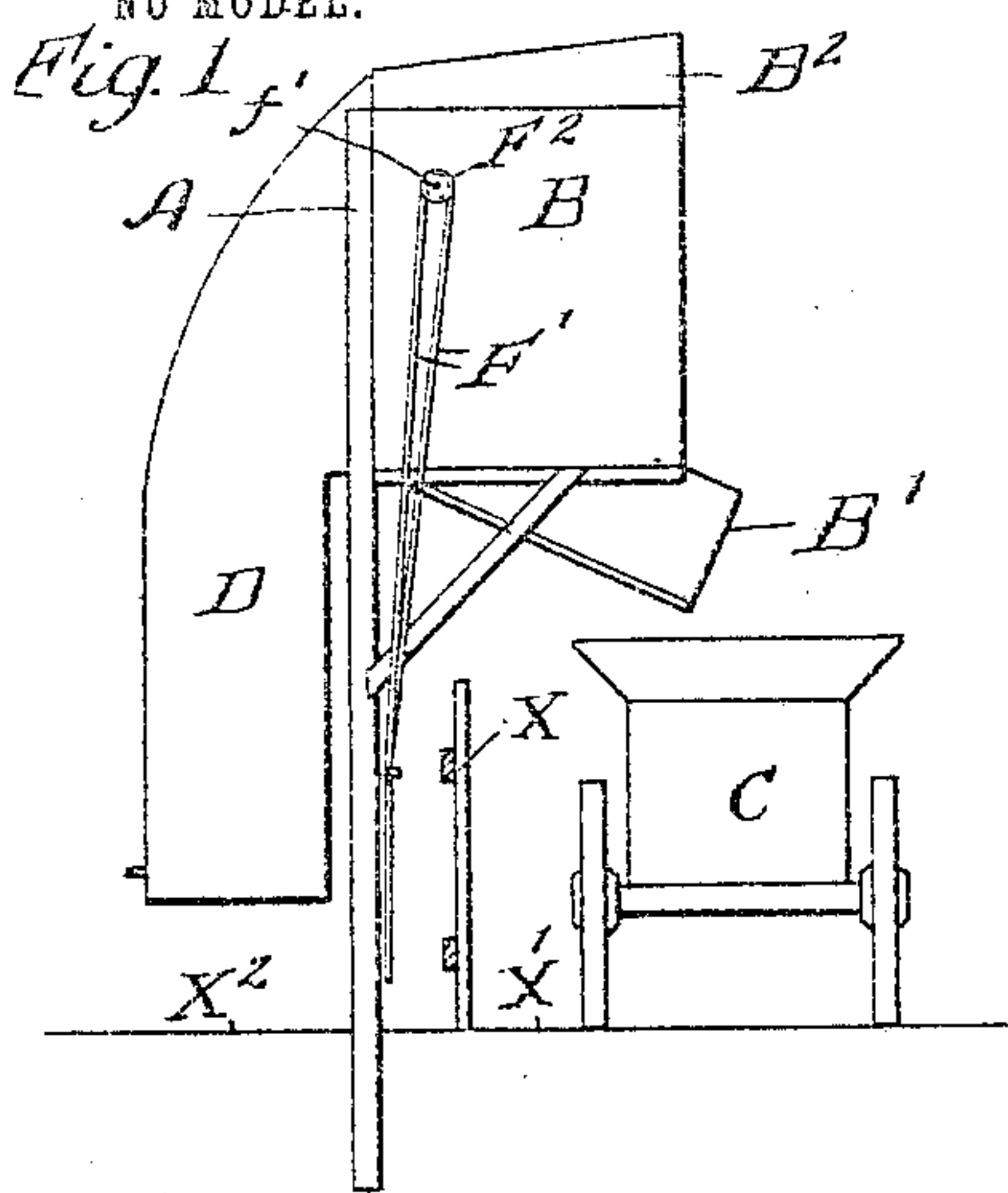
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PATENTED NOV. 15, 1904.

H. BREYER.
GARBAGE BOX OR RECEPTACLE.

APPLICATION FILED JULY 28, 1904.

NO MODEL.



Witnesses:

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UNITED STATES PATENT OFFICE.

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GARBAGE BOX OR RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 775,061, dated November 15, 1904.

Application filed July 28, 1904. Serial No. 218,449. (No model.)

To all whom it may concern:

Be it known that I, HERMAN BREYER, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois,
5 have invented a new and useful Improvement in Garbage Boxes or Receptacles, of which the following is a specification.

My invention relates to improvements in garbage-boxes or receptacles for garbage,
10 ashes, and other waste material.

The object of my invention is to provide a garbage box or receptacle of a simple, efficient, durable, and inexpensive construction into which garbage, ashes, or other waste material from a dwelling-house may be conveniently and easily deposited by the householder and from which the garbage or waste material may be quickly, conveniently, and with little or no loss of time or labor discharged into the
20 garbage wagon or vehicle by which the garbage is collected and removed.

My invention consists in the means I employ to practically accomplish this object or result—that is to say, it consists, in connection
25 with an elevated garbage box or receptacle furnished with a hinged dumping-bottom and a discharge-chute at suitable height to permit the garbage-collecting wagon to pass underneath the same, in combination with a depending curved elevating-leg provided with a windlass at its upper part and an elevating-bucket adapted to move up and down in the depending elevating-leg and having one or more connecting-lines, preferably ropes or chains, connecting it with the windlass, so that when the
35 windlass is rotated to raise the elevating-bucket it will be dumped or inverted as it passes over the windlass, thus dumping or delivering its contents into the garbage-box.
40 After the elevating-bucket is thus dumped or inverted the windlass is turned in the opposite direction, thus returning the bucket to the bottom of the elevating-leg. The elevating-leg is furnished with a suitable door or
45 opening near its lower end, so that the householder may conveniently empty the garbage-carrying pail into the elevating-bucket. A flexible line, preferably a small rope or chain, is secured to one end of the windlass and hangs

down in convenient position for operating the
50 windlass in both directions. The depending elevating-leg of the garbage-box is further provided with guide ribs or rails for the inner edge of the elevating bucket or box to ride or slide upon as it is moved up and down and
55 also, preferably, with guides for the ropes or chains by which the elevating-bucket is connected to the windlass. The dump-bottom of the garbage-box is held closed by a suitable latch or pin, which may be readily withdrawn
60 to dump the contents into the garbage-collecting wagon.

My invention also consists in the novel construction of parts and devices and in the novel combinations of parts and devices herein
65 shown or described.

In the accompanying drawings, forming a part of this specification, Figure 1 is a side elevation of an elevating and dump garbage box or receptacle embodying my invention.
70 Fig. 2 is a vertical longitudinal section. Fig. 3 is a horizontal section on the broken line 3 3 of Fig. 2, and Fig. 4 is an enlarged detail elevation showing the windlass-operating line or rope.

In the drawings, A represents uprights or posts upon which the elevated garbage-box B is supported at such height as to permit the garbage-collecting wagon C to pass under the discharge-chute B' of the garbage-box. The
80 garbage box or receptacle B is preferably of rectangular form in cross-section and furnished with a removable inclined cover B². The elevated garbage-box B is provided with a dumping-bottom B³, preferably connected
85 by hinges b to the lower end of the box, at the inner side thereof, and furnished with a movable pin or latch b', which passes through the eye of a staple b², secured to the box, and under a hasp b³ on the hinged dumping-bottom to
90 hold the same closed.

D is a depending elevating-leg of the garbage-box, connecting therewith through the opening B⁴ in the inner or elevating-leg side of the garbage-box.
95

E is the elevating-bucket, adapted to move up and down in the elevating-leg D and connected by one or more, preferably two, flexi-

ble lines f with a windlass or roller F, having a shaft f' mounted in or on the garbage-box B at the upper part thereof. The elevating-leg D is also provided with curved guides or rails d for the rear side e of the elevating-bucket E to ride or slide upon and also preferably with curved guides d' for the flexible connections or lines f , which connect the elevating-bucket with the windlass. The guides or rails d extend tangentially to the periphery of the roller F, so that the elevating-bucket will ride off of the guides d onto the roller or windlass F, and thus be inverted or dumped as the bucket turns or passes over or around said roller or windlass. A stop on the box B or its cover b^4 limits the turning, inverting, or dumping movement of the bucket E.

The windlass F is operated by a double or looped line, rope, or chain F' , which winds around a spool F^2 on the shaft f' of the windlass and hangs down in convenient position to be grasped by the person carrying out the garbage.

The elevating-leg D is provided with an opening d^2 in one side through which the garbage-pail may be emptied into the elevating-bucket E when the same is at the bottom of the elevating-leg. This opening d^2 is closed by a door or slide d^3 .

X represents the alley-fence separating the alley X' from the lot X^2 .

The operation is as follows: The garbage is emptied from the garbage-carrying pail through the opening d^2 in the elevating-leg D into the elevating-bucket E, the bucket being preferably of rectangular shape, as indicated in the drawing. The windlass is then turned by means of the downhanging operating-line f and the elevating-bucket E thus raised and inverted over the windlass F and its contents delivered into the elevated garbage-box B. In collecting the garbage from the box B into the collecting-wagon C all that the driver of said wagon has to do is to release the hinged or dumping bottom of the box B by removing the pin or latch b' , and then the contents of the box B at once and automatically discharges into the wagon C. By this means the garbage may be quickly and easily collected from a very large number of residences by a single wagon and single driver, the time heretofore usually taken for scooping out or otherwise transferring the garbage from the box into the wagon being almost entirely saved, as well as the labor incident thereto. At the same time all danger is prevented of spilling or scattering the garbage in the alley or at the rear end of the house-lot.

By my invention the garbage collecting may be done very much more easily, rapidly, and also with greater neatness.

I claim—

1. The combination with an elevated stationary closed garbage-box furnished with a

dump-bottom and a discharge-chute under which the collecting-wagon may pass, of a depending elevating-leg, an elevating-bucket, a windlass at the upper portion of the garbage-box, and a flexible connection between the windlass and elevating-bucket, substantially as specified.

2. The combination with an elevated stationary closed garbage-box furnished with a dump-bottom and a discharge-chute under which the collecting-wagon may pass, of a depending elevating-leg, an elevating-bucket, a windlass at the upper portion of the garbage-box, a flexible connection between the windlass and elevating-bucket, and guides for the elevating-bucket in said elevating-leg extending to the windlass, substantially as specified.

3. The combination with an elevated stationary closed garbage-box furnished with a dump-bottom and a discharge-chute under which the collecting-wagon may pass, of a depending elevating-leg, an elevating-bucket, a windlass at the upper portion of the garbage-box, a flexible connection between the windlass and elevating-bucket, guides for the elevating-bucket in said elevating-leg extending to the windlass, and guides for said flexible connection between said bucket and windlass, substantially as specified.

4. The combination with an elevated stationary closed garbage-box furnished with a dump-bottom and a discharge-chute under which the collecting-wagon may pass, of a depending elevating-leg, an elevating-bucket, a windlass at the upper portion of the garbage-box, a flexible connection between the windlass and elevating-bucket, and an operating-line for the windlass, substantially as specified.

5. The combination with an elevated garbage-box furnished with a discharge-chute and dump-bottom, of a depending elevating-leg, an elevating-bucket, a windlass at the upper portion of the garbage-box, a flexible connection between the windlass and elevating-bucket, guides for the elevating-bucket in said elevating-leg extending to the windlass, and an operating-line for the windlass, substantially as specified.

6. The combination with an elevated stationary closed garbage-box having a dump-bottom and a discharge-chute under which the collecting-wagon may pass, of a depending elevating-leg connecting therewith, a windlass, an elevating-bucket, and a pair of lines secured to the windlass and connecting with the bucket, substantially as specified.

7. The combination with an elevated garbage-box having a dump-bottom, of a depending elevating-leg connecting therewith, a windlass, an elevating-bucket, a pair of lines secured to the windlass and connected with the bucket, and guides for said lines, substantially as specified.

8. The combination with an elevated gar-

bage-box having a dump-bottom, of a depending elevating-leg connected therewith, a windlass, an elevating-bucket, a pair of lines secured to the windlass and connected with the bucket, guides for said lines, and guides or rails for the elevating-bucket, substantially as specified.

9. The combination with an elevated garbage-box having a dump-bottom, of a depending elevating-leg connected therewith, a windlass, an elevating-bucket, a pair of lines secured to the windlass and connected with the bucket, guides for said lines, guides or rails for the elevating-bucket, and a stop for limiting the turning or inverting movement of the bucket as it passes over the windlass, substantially as specified.

10. The combination with an elevated garbage-box having a dump-bottom, of a depending elevating-leg connected therewith, a windlass, an elevating-bucket, a pair of lines secured to the windlass and connected with the bucket, guides for said lines, guides or rails for the elevating-bucket, a stop for limiting the turning or inverting movement of the

bucket as it passes over the windlass, and an operating-line for the windlass, substantially as specified.

11. The combination with an elevated garbage-box having a dump-bottom, of a depending elevating-leg connected therewith, a windlass, an elevating-bucket, a pair of lines secured to the windlass and connected with the bucket, guides for said lines, guides or rails for the elevating-bucket, means for limiting the turning or inverting movement of the bucket over the windlass, and an operating-line for the windlass, substantially as specified.

12. The combination with an elevated garbage-box having a dump-bottom, of a depending elevating-leg connecting therewith, a windlass, an elevating-bucket, a pair of lines secured to the windlass and connected with the bucket, guides for said lines, and an operating-line for the windlass, substantially as specified.

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